FIG. 1
(PRIOR ART)

FIG. 2
(PRIOR ART)
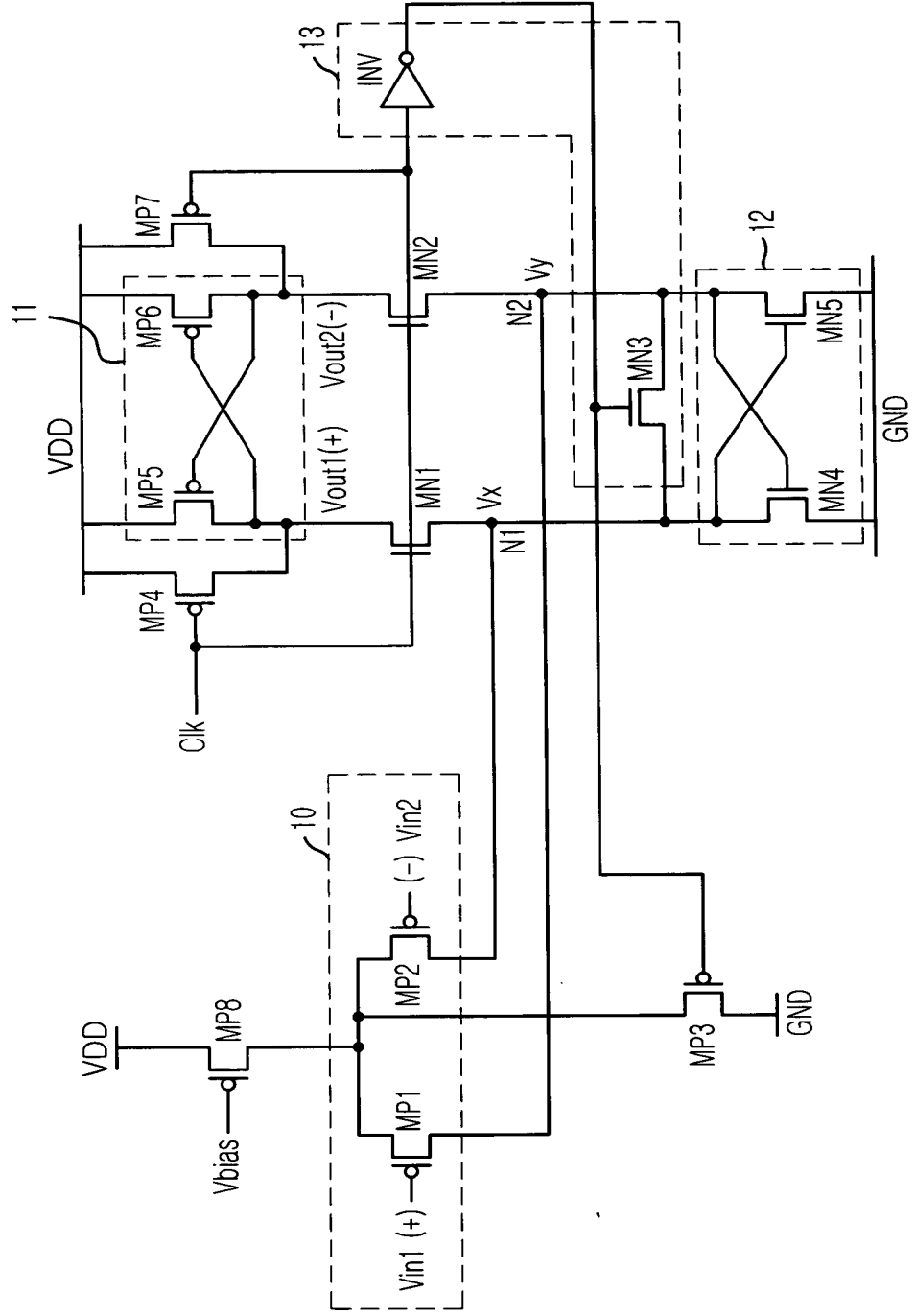
FIG. 3
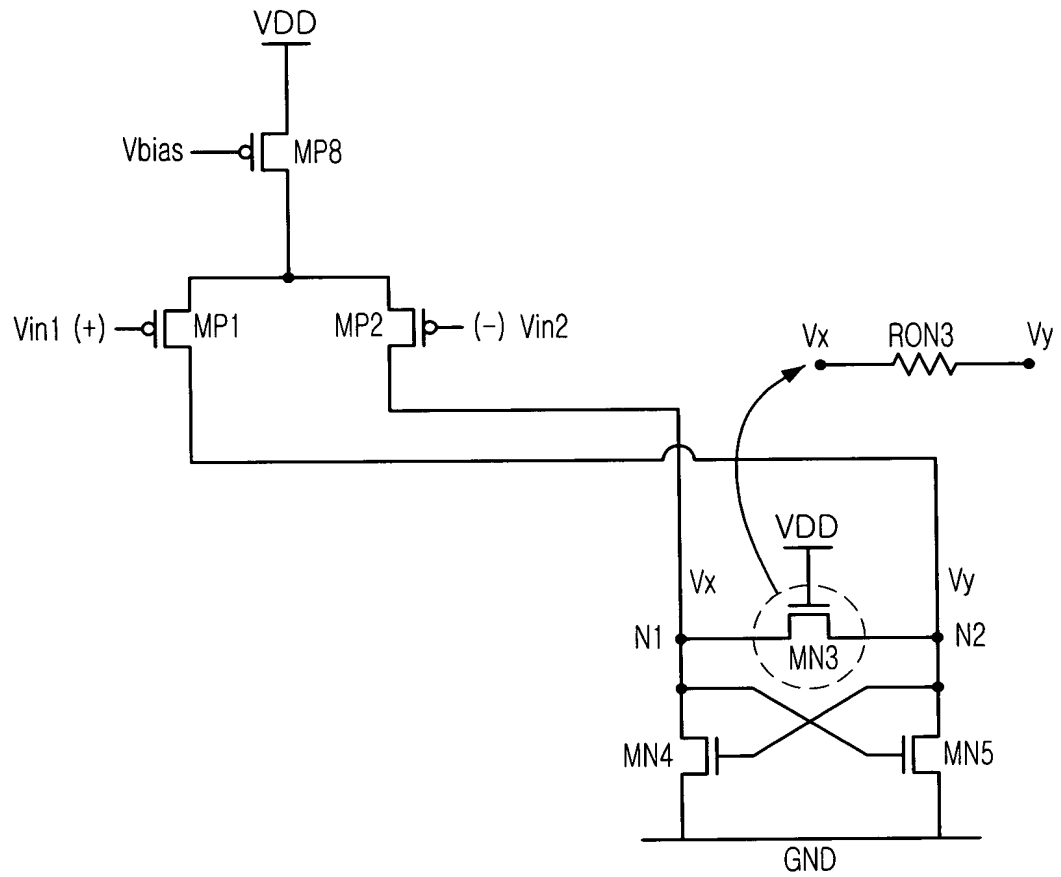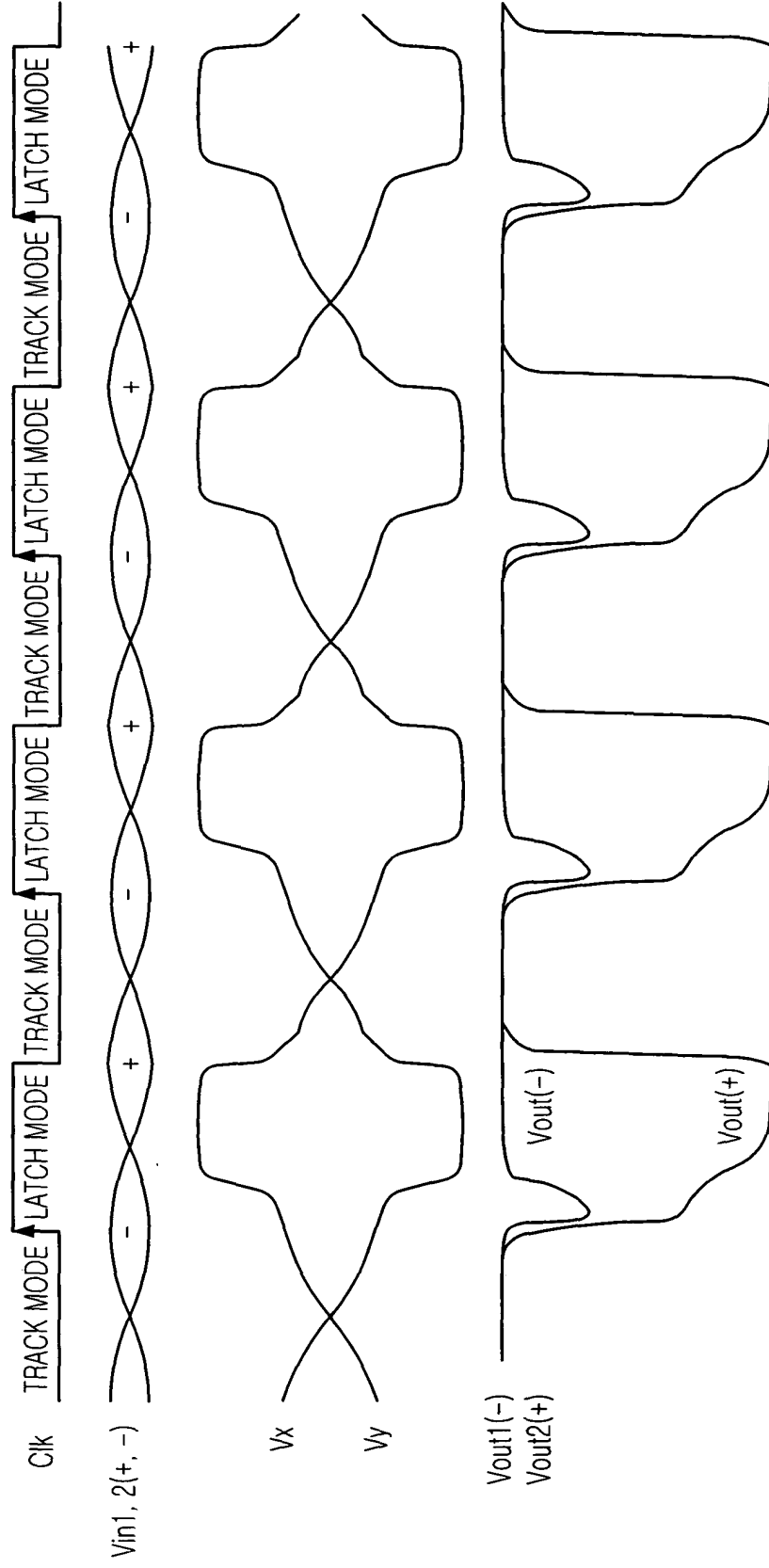## (PRIOR ART)

FIG. 4
(PRIOR ART)

Clk

TRACK MODE | LATCH MODE | TRACK MODE | LATCH MODE | TRACK MODE | LATCH MODE | TRACK MODE | LATCH MODE | TRACK MODE | LATCH MODE

Vin1, 2(+, −)

−　　+　　−　　+　　−　　+　　−　　+

Vx

Vy

Vout1(−)
Vout2(+)

Vout(−)

Vout(+)

* TRACK MODE : MN1, MN2, MP3, MP5, MP6 ⇒ OFF

* LATCH MODE : MP1, MP2, MN3, MP4, MP7 ⇒ OFF

FIG. 5

FIG. 6

VDD

M16

Vbias

Vin1 (+)

M1

M2

(−) Vin2

Vx

Vy

Ron7

$\dfrac{1}{Gm5}$

M3

M4

Ron8

$\dfrac{1}{Gm6}$

GND

FIG. 7

VDD

Vbias —o| M16

M9

GND

VDD

M12   M13

Vx   Vy

M3   M4

GND

FIG. 8

Clk   TRACK MODE ⟩LATCH MODE⟩ TRACK MODE ⟩LATCH MODE⟩ TRACK MODE ⟩LATCH MODE⟩ TRACK MODE ⟩LATCH MODE
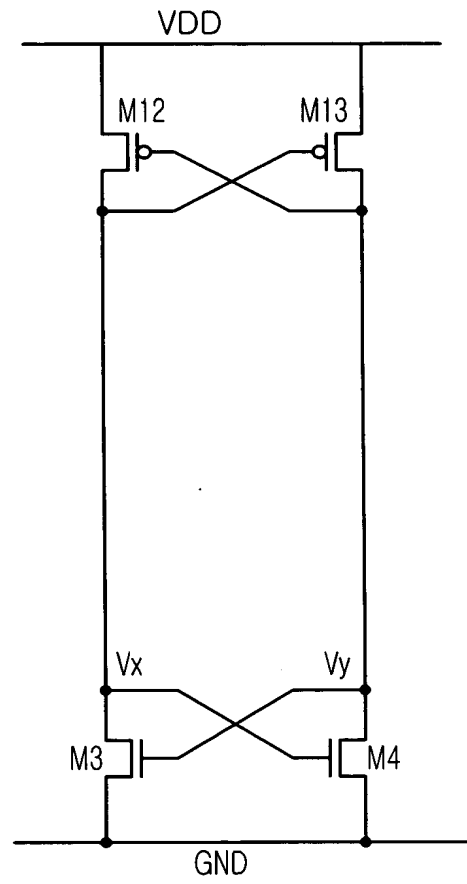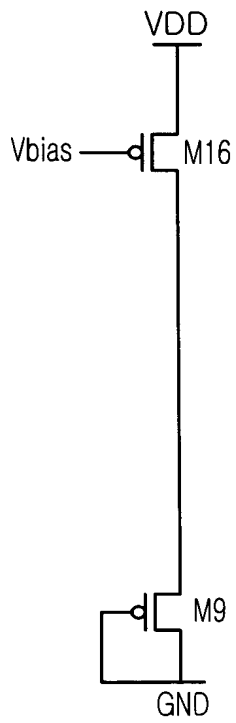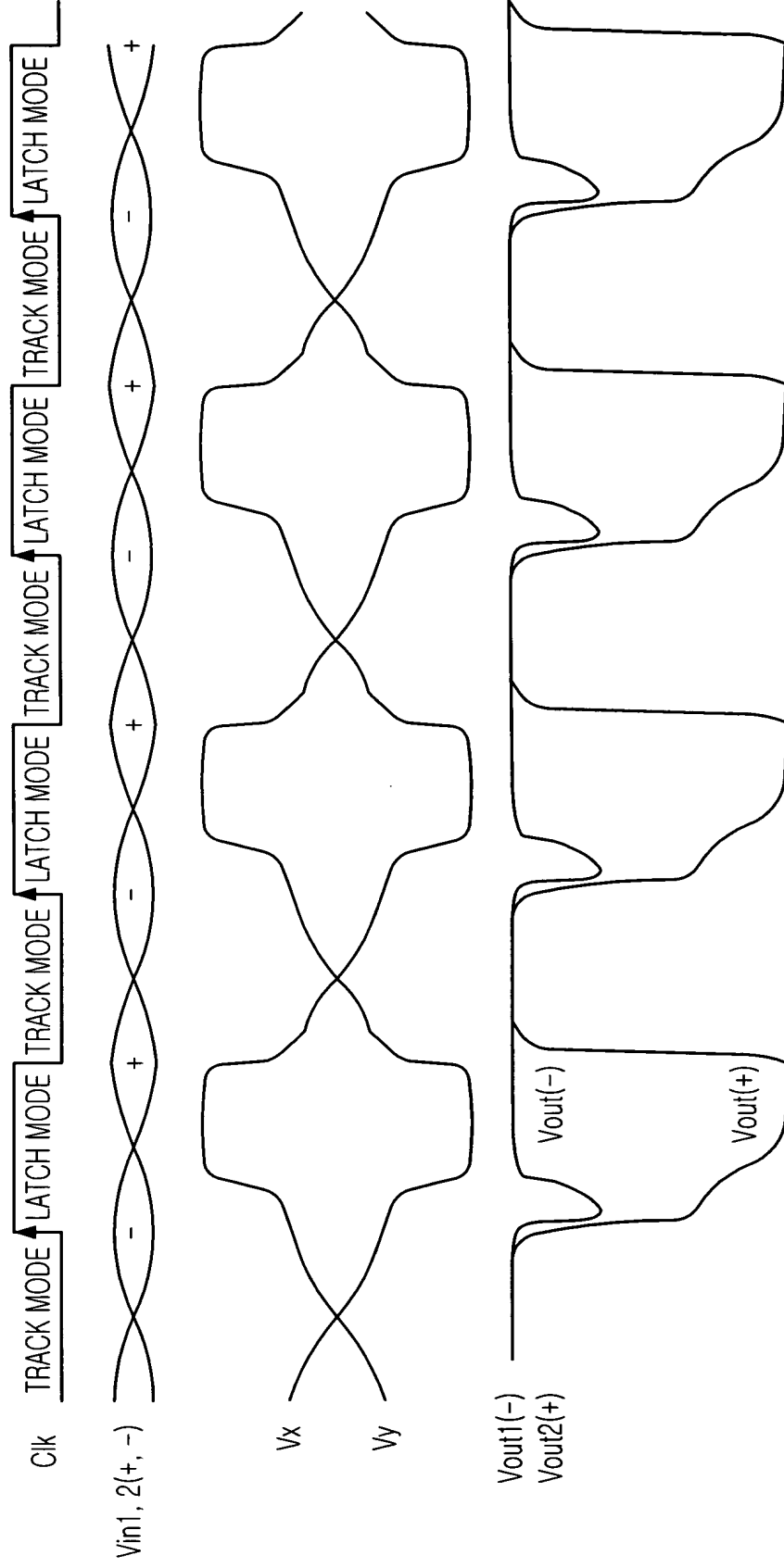
Vin1, 2(+, −)

Vx

Vy

Vout1(−)
Vout2(+)

Vout(−)

Vout(+)
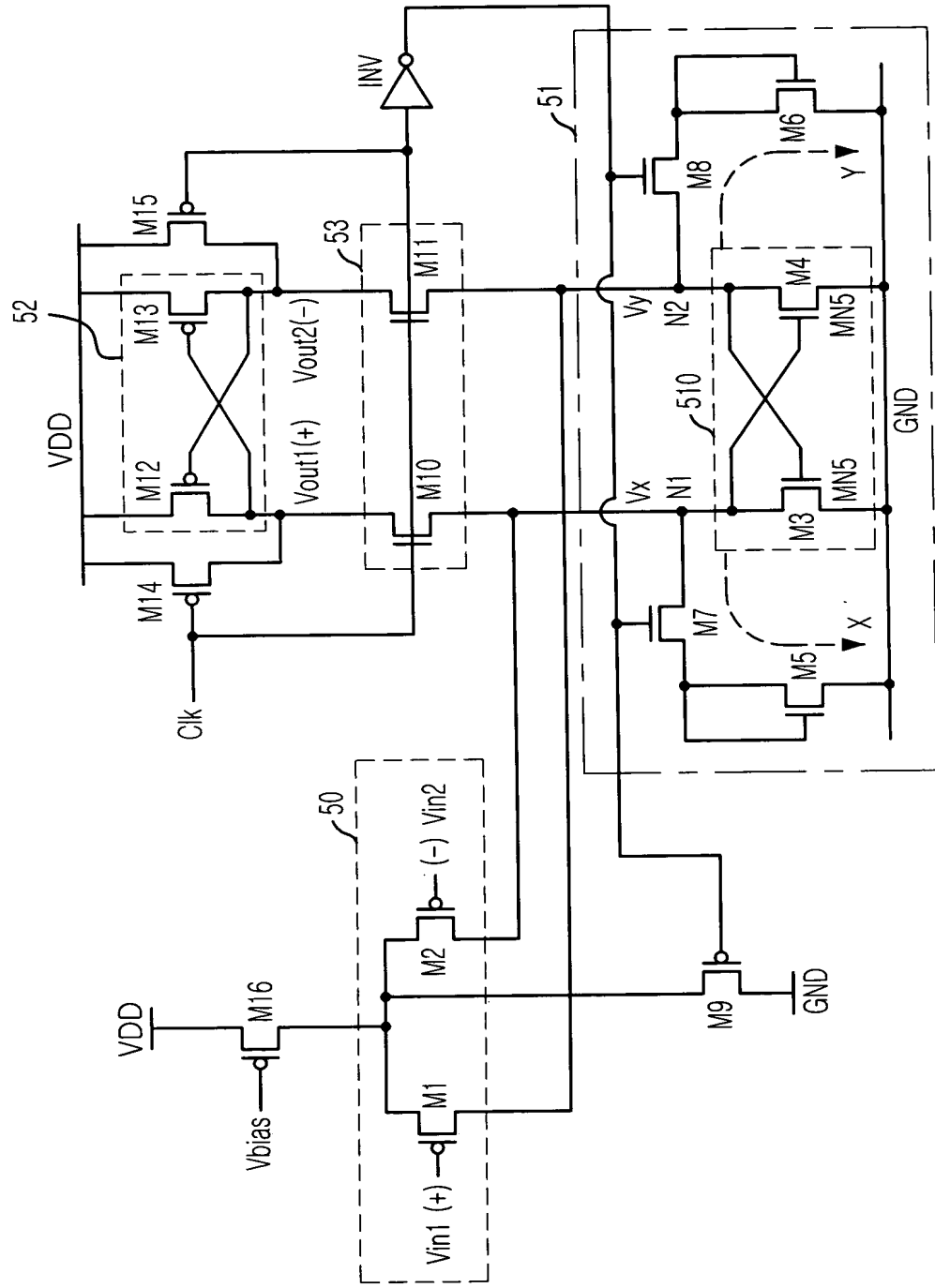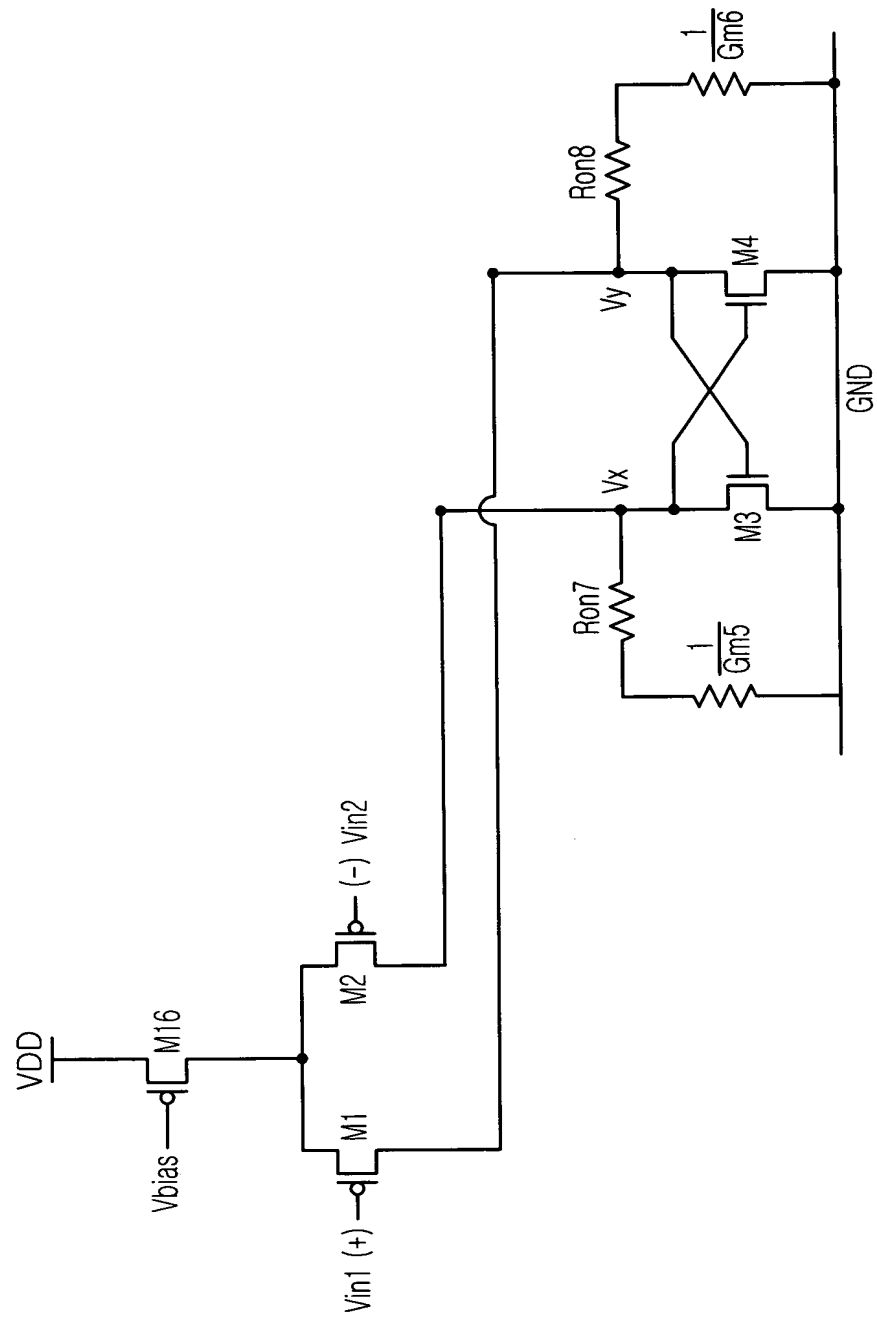
* TRACK MODE : M9, M10, M11, M12, M13 ⟹ OFF

* LATCH MODE : M1, M2, M7, M8, M14, M15 ⟹ OFF